Bruhath Bengaluru Bengaluru Mahanagara Palike

'ender Name : Improvements to Drain and Asphalting to Abbigere Area & Shettyhalli Area in Ward No. 12 Shettyhalli Sub Division (2-Works) Package No. DZ 2017-18-(01)

SL No	Item Name	Unit	Quantity	Rate	
				In Rs	In Words
1	Removing B.S slab of drain and stacking (Page No 25., I.no.5.32 of KPWD S.R 2016-17).	Sqm	1310.72	73.59	Seventy Three rupees fifty Nine paise
2	KSRB 300-1 : Earthwork excavation by manual means in ordinary soil involving an average harizintal throw upto 2 meters and an average horizontal lift upto 0.5m, excavated surface leveled and sides neately dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (Page No 142., I.No.19.1 of KPWD S.R 2016-17)	Cum	5362.56	97.32	Ninety Seven rupees thirty Two paise
3	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3 (Page No. 149 I.No.19.64 of KPWD S.R 2016-17)	Sqm	1052.90	5.93	Five rupees Ninety Three paise
4	Construction of Sub Grade and earthen Shoulders with approved material Gravel/Murrum With all Lifts & Leads transporting to site, Spreading Grading to required slope and compacted to meet requirement of Table No.300.2 complete as per specifications (including cost of earth , watering Charges & Compaction by vibratory roller) MORTH Specification No.305 (Page no.148,1 no 19.62 of KPWD S.R 2016-17)	Cum	157.94	392.86	Three Hundred Ninety Two rupees Eighty Six paise
5	KSRRB M400-6.1. Construction of granular sub-base by providing close graded material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method.Close graded granular sub-base material as per 400-1 For Grading- II Materia (Page No.155., I. No.20.5.1 of KPWD S.R 2016-17)	Cum	1760.38	1731.66	One Thousand Seven Hundred Thirty One rupees Sixty Six paise
6	KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406(Page No 158., I.No.20.18 of KPWD S.R 2016-17).	Cum	1408.30	1979.72	One Thousand Nine Hundred Seventy Nine rupees Seventy Two paise

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7	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM,WMM ,including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per Specifications. MORTH Specification No. 502 (page no.161., I.No.21.6 of KPWD S.R.2016-17)	Sqm	7041.50	30.86	Thirty rupees eighty six paise
8	KSRRB 500-2 : Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to rceive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH / Chapter 5 (Page No.161., I.No.21.2 of KPWD S.R 2016-2017)	Sqm	10222.80	3.56	Three rupees Fifty Six paise
9	KSRRB 500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH / Chapter 5 (Page No.161, Item No. 21.7 of KPWD S.R.2016-2017)	Sqm	36634.40	13.06	Thirteen rupees Six paise
10	KSRRB M500-11 : Providing and laying bituminous Macamdam on prepared surface with crushed coarse aggregates as design mix for base/binding course including loading of agregates with F.E loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity transporting the mixed material in tipper to paver and laying mixed materials paver finisher to the required level and grade, roo lling by power roller to achieve the desired density but excluding cost of primer / tack coat including lead, lift and cost of all materials, labour HOM of machineries complete as per specifications using TPH capacity HMP with sensor paver Gr-II (50mm to 75mm) with 3.3% VG-30 Bitumen (Page No.162, Item No. 21.11.5 of KPWD S.R 2016-17)	Cum	979.48	6210.95	Six Thousand Two Hundred Ten rupees Ninety Five paise
11	KSRRB M500-19 : Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH Specification clause No.500.9 complete in all respects complete as per specifications.MORTH specification no.509 using 40-60 TPH capacity HMP with Sensor paver Gr- II (30mm to 45mm) with 6% VG-30 bitumen (Page No.165, Item No. 21.23.12 of KPWD S.R 2016-17)	Cum	732.68	15283.48	Fifteen thousand two hundred eighty three rupees fourty paise
12	Add Plastic to Bituminous Concrete 8% of Bitumen	Kg	8264.72	30.23	Thirty rupees Twenty Three paise

SL No	Item Name	Unit	Quantity	Rate	
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13	KSRRB M800-13 Road Markig with Hot Applied Thermoplastic compound with Reflectirising glass beads on Bituminous suface:- Providing and laying of Hot applied thermoplastic compund 2.5mm thick including reflectorising glass beads at 250gm/sqm area thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35 the finished surface to be level uniform and pre firm streads and holes complete as per specficaions (Page No.185,I.No.24.15 of KPWD S.R. 2016-2017)	Sqm	1225.81	607.68	Six Hundred Seven rupees Sixty Eight pais
14	KSRRB M800-35. Providing and fixing of road stud 100x 100 mm, die- cast in aluminium, resistant to corrosive effect of salt and grit, fitted with lense reflectors, installed in concrete or asphaltic surface by drilling hole 30 mm upto a depth of 60 mm and bedded in a suitable bituminous grout or epoxy mortar, all as per BS: 873 part 4:1973 complete as per specifications(Page No 189., I.No.24.41 of KPWD S.R 2016-17)	Nos	2850.00	402.35	Four Hundred Two rupees Thrity Five paise
15	Refixing B S Slab of Drains and Pointing in C.M (1:30 Page No.25., I.No.5.33 of KPWD S.R.2016-17)	Sqm	902.48	90.20	Ninety rupees Twenty paise
16	Providing granite Slabs ofSelected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc.., Complete (Page No.25., I.No. 5.31 of KPWD S.R 2016-17)	Cum	499.91	745.36	seveen hundred fourty five rupees thirty six paise
17	Lead charges for conveying the excavated earth including loading and unloading upto 10kms as per directions (Page No.140 SL.No.5 of KPWD S.R 2016-17)	Cum	4830.00	118.69	One Hundred Eighteen rupees Sixty Nine paise

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